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Event-Condition-Action (**ECA**) **rule**2 paradigm, as found in active .... a rule refers to the idea that the firing **time** of the rule is **predetermined** .... for the external actions and the management of the **temporal events**, will not be presented here. The **Time Events** Generator extends the **database trigger** mechanism ...
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2.

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by J van den Akker - 1996 - Cited by 8 - Related articles
temporal databases. The specification of a DEGAS object has a static part ...
www.springerlink.com/index/p7505577t2u2h53v.pdf

3.

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Optimal use of **triggers** for detecting **database events** - Patent ...
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Jun 9, 2005 ... A method of **monitoring events** in a **database** comprising the steps of: ... of an event is expressed as a **predetermined duration of time**. .... The **lifespan** of events is defined based upon the **time** span of other events in the **rule**. ... **Triggers** are represented as **ECA** (**event-condition-action**) **rules**. ...
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5.

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This rule requires not only **database events**, but **temporal** and ... For example, end-of-insert is a logical **event** for the **event** expression insert (which has a **duration**). ... to a **pre-determined** point on the **time** line is a definite **event**. ... Conditions define 'states' and hence are used in **ECA rules** as guards on ...
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Event-Condition-Action paradigm), and the reality, in which a single **event** may ... a run-**time monitor** that receives information about the occurrence of **events**, ... A **trigger** in SQL3 is an **ECA rule** that is activated by a **database** state ..... **events**. Fig. 3. Event Group. 5. **Lifespan**. A **lifespan** is the **temporal** ...

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trigger the **rule** occur. The **triggering events**—an insert of a new employee ...

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kinship to the classical **event condition action ECA rules** known from, e.g., active **database** systems 33, 1 . .... **life span** (**temporal** validity) of decision space level of detail ... contribute their own specific and often **predetermined** ..... **Temporal** and Real. **Time Databases**: A Survey. IEEE Trans. on Knowl- ...

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As a consequence, querying the **temporal database** eventually results in multi- ... polling in

monitoring applications where **events** are detected as changes to ..... In Dream the traditional processing of **Event-Condition-Action rules** ... When **events** of interest (i.e. those that **trigger rules**) are ...

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Now, only upon the **trigger** of a certain **event**, the system needs to .... **Temporal** event classes can be defined with units for **time** measurement, nature of **time** (dis- ..... Dimension 1: Data and Rule Modeling - **ECA rules** and even **events** are ..... Performance measurement - **monitoring** or tracing various **database events** ...

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time monitoring, BAM draws its information from multiple application systems ... **Event-Condition-Action (ECA)**: a model to support complex **event** processing. ... complex **event** patterns. If the **event** pattern is matched, **rules trigger** ...... The column length, which specifies the length of **database** table columns ...

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development tools, inference engines, and **database** support for .... television viewing session such as channels, **duration** and genre ... **Temporal events** occur based on a specified pattern with **time**. ... In **event-condition-action (ECA)** form , a **rule** that protects the safety of the inhabitants might be ...

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Dec 27, 1999 ... The explicit **time** dimension in a **temporal database** is usually ..... Examples include the **lifespan** over which a relation is defined ..... with a **predetermined** set of partitions from the other relation. ..... The basic building blocks in an active database are the **event-condition-action (ECA) rules**. ...

onlinelibrary.wiley.com/doi/10.1002/047134608X.W4306/full

17.

<u>Rule</u> based Adaptation in Mobile <u>Database</u> Systems 310

by O Zukunft - 1997 - Cited by 7 - Related articles

thermore, the use of **triggers** as available in active **database** systems for managing mobility ... **event-condition-action (ECA) rule** model: On sig- nalling of an **event**, ... by logical and **temporal** combination of atomic **events** ... **lifespan** allows to discard those

events for which the specified **time** has been exceeded. ...
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18.

Empowering Provenance in Data Integration
To this end we propose a new rule based model that adopts the **ECA rules** and ...
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www.dbd.puc-rio.br/depto_informatica/03_22_haendchenfilho.pdf

21.

A Formal Logic Perspective on Law, Jurisprudence, and Information ...
If we have a **ECA rule** If A ^ B then C and also C → D is asserted in the ontology, ...
Precision and complexity may head towards convergence in **time**. .... specific **predetermined** questions and among specific **predetermined** outcomes. ..... This can be represented in terms of the 'henceforth' **temporal** logic operator: ...
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time, the **Event-Condition-Action rules** of active **databases** add to a ... **rules** describe its actual behaviour as far as can be **pre-determined**. ... **Rules** in Degas follow the usual **Event-Condition-Action** (**ECA**) format. ..... Phase 4 The last phase in the design of a Degas **database**, is to specify the **temporal** relations ...
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Time Databases: A Survey. IEEE Trans. on Knowl- ...
ieeexplore.ieee.org/iel3/4847/13400/00613799.pdf

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Monitoring and controlling workflows in real **time**. 4. .... be executed by human and software
agents and a **predetermined** partial ordering over the ..... The ability to handle entirely
unanticipated **events** is a human quality which the .... The **Event-Condition-Action** (**ECA**)
rules in active **databases** Wson921 should be ...
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27.

Amit - the situation manager_百度文库
Nov 26, 2010 ... A **trigger** in SQL3 is an **ECA rule** that is activated by a **database** state .....
include **database events**, external **events**, and **temporal events**. ...
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there is a certain **predetermined time** out period, then we should ...
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31.

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(**ECA**) **rules** for **monitoring** and execution of an application. ...... **trigger** constructs [8] in the so-called active **event-condition-action** setting, ...
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monitoring of thousands of data streams in real **time**. In. VLDB 2002, pages 358- 369. ...... ties (safety and liveness) for **Event Condition Action rules** ...
www.sigmod.org/publications/sigmod-record/.../sigmod-record.june2005.pdf

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Clinical Knowledge Management: Opportunities and Challenges

ECA rules have the following form: ON event IF condition DO action The ON clause ...... the ordering of these **events** and the **time duration** between them. ...
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34.

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Event-condition-action rules (**ECA-rules**) consist of **events**, conditions and ...... Semantics of **Time**-Varying Attributes and Their Use for **Temporal Database** ...
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